

**Amendments to the Specification:**

Please replace paragraph [0053] of the specification (published application) with the following amended paragraph:

[0053] After each PE places its local extrema on the transfer network, an extrema is determined for each line in a first dimension of the array in operation 62. In the current embodiment, for example, each PE determines the row extrema for its associated row by comparing its local extrema to the local extrema of the other PEs within its row. Each PE transmits its local extrema via the transfer network to each other PE within the same row. Thus, each PE within the same row will calculate the same row extrema as the other PEs within that row.